



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Vogels et al.

**Serial No.:** 09/444,284

**Filed:** November 19, 1999

**For:** GENE DELIVERY VECTORS  
PROVIDED WITH A TISSUE TROPISM  
FOR SMOOTH MUSCLE CELLS, AND/OR  
ENDOTHELIAL CELLS

**Confirmation No.:** 8464

**Examiner:** S. Chen

**Group Art Unit:** 1632

**Attorney Docket No.:** 2578-4231US

**NOTICE OF EXPRESS MAILING**

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Person making Deposit: Andrew F. Nilles

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

Pursuant to 37 C.F.R. § 1.98(d), a copy of any patent, publication or other information listed in the Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. § 120.

Accordingly, no copy of information marked with a pound sign (#) is enclosed because it was previously cited or submitted to the patent office in a prior application which is properly identified above, and is relied upon for an earlier filing date. The references are as follows:

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
#US- 4,487,829	12/11/1984	Sharp et al.
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#US- 4,589,881	05/20/1986	Pierschbacher et al.
#US- 4,593,002	06/03/1986	Dulbecco
#US- 4,792,525	12/20/1988	Ruoslahti et al.
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#US- 4,956,281	09/11/1990	Wallner et al.
#US- 5,024,939	06/18/1991	Gorman
#US- 5,096,815	03/17/1992	Ladner et al.
#US- 5,166,320	11/24/1992	Wu et al.
#US- 5,198,346	03/30/1993	Ladner et al.
#US- 5,204,445	04/20/1993	Plow et al.
#US- 5,223,394	06/29/1993	Wallner
#US- 5,223,409	06/29/1993	Ladner et al.
#US- 5,240,846	08/31/1993	Collins et al.

**Serial No.: 09/444,284**

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#US- 5,403,484	04/04/1995	Ladner et al.
#US- 5,436,146	07/25/1995	Shenk et al.
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#US- 5,521,291	05/28/1996	Curiel et al.
#US- 5,534,423	07/09/1996	Palsson et al.
#US- 5,543,328	08/06/1996	McClelland et al.
#US- 5,547,932	08/20/1996	Curiel et al.
#US- 5,552,311	09/03/1996	Sorscher et al.
#US- 5,559,099	09/24/1996	Wickham et al.
#US- 5,571,698	11/05/1996	Ladner et al.
#US- 5,622,699	04/22/1997	Ruoslahti et al.
#US- 5,712,136	01/27/1998	Wickham et al.
#US- 5,731,190	03/24/1998	Wickham et al.
#US- 5,756,086	05/26/1998	McClelland et al.
#US- 5,770,442	06/23/1998	Wickham et al.
#US- 5,922,315	07/13/1999	Roy
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Foreign Patent Documents

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
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Serial No.: 09/444,284

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#Pursuant to 37 C.F.R. § 1.98(d), copies of the previously identified patents are not being provided since they were previously cited by or submitted to the Office in the following prior application:

Serial No.: 09/348,354

Filed: July 7, 1999

For: CHIMAERIC ADENOVIRUSES, which application is being relied upon for an earlier filing date under 35 U.S.C. § 120.

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, Applicants hereby identify the following listed copending applications naming a common inventor(s):

Attorney Docket No.: 2578-4622.1US  
Serial No.: 10/432,105  
Filing Date: 5/20/2003  
Title: ADENOVIRAL REPLICONS

Attorney Docket No.: 2578-6386US  
Serial No.: 10/494,140  
Filing Date: 4/29/2004  
Title: METHODS AND MEANS FOR PRODUCING PROTEINS WITH  
PREDETERMINED POST-TRANSLATIONAL  
MODIFICATIONS

Attorney Docket No.: 2578-6471US  
Serial No.: 10/499,298  
Filing Date: 6/17/2004  
Title: EFFICIENT PRODUCTION OF F(AB')<sub>2</sub> FRAGMENTS IN  
MAMMALIAN CELLS

Attorney Docket No.: 2578-3833.9US  
Serial No.: 10/618,526  
Filing Date: 7/11/2003  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-6077US  
Serial No.: 10/644,256  
Filing Date: 8/20/2003  
Title: EFFICIENT PRODUCTION OF IgA IN RECOMBINANT  
MAMMALIAN CELLS

Attorney Docket No.: 2578-4489.1US  
Serial No.: 10/646,449  
Filing Date: 8/22/2003  
Title: GENE DELIVERY VECTORS PROVIDED WITH A TISSUE  
TROPISM FOR DENDRITIC CELLS AND METHODS OF USE

**Serial No.: 09/444,284**

**Attorney Docket No.:** 2578-3982.3US  
**Serial No.:** 10/783,510  
**Filing Date:** 2/20/2004  
**Title:** MEANS AND METHODS FOR FIBROBLAST-LIKE OR  
MACROPHAGE-LIKE CELL TRANSDUCTION

**Attorney Docket No.:** 2578-4038.3US  
**Serial No.:** 10/790,562  
**Filing Date:** 3/1/2004  
**Title:** RECOMBINANT PROTEIN PRODUCTION IN A HUMAN  
CELL

**Attorney Docket No.:** 2578-4230.1US  
**Serial No.:** 10/808,681  
**Filing Date:** 3/25/2004  
**Title:** MELANOMA ASSOCIATED PEPTIDE ANALOGUES AND  
VACCINES AGAINST MELANOMA

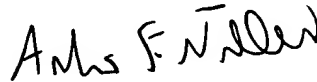
**Attorney Docket No.:** 2578-3833.10US  
**Serial No.:** 10/850,140  
**Filing Date:** 5/20/2004  
**Title:** PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

**Attorney Docket No.:** 2578-4070.2US  
**Serial No.:** To be assigned  
**Filing Date:** September 27, 2004  
**Title:** SEROTYPES OF ADENOVIRUS AND USES THEREOF

Serial No.: 09/444,284

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

Respectfully submitted,



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Enclosures: Form PTO/SB/08

Document in ProLaw



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 7

**Complete if Known**

Application Number	09/444,284
Filing Date	November 19, 1999
First Named Inventor	Vogels et al.
Group Art Unit	1632
Examiner Name	Chen
Attorney Docket Number	2578-4231US

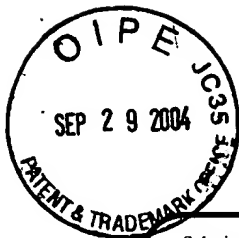
**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		#US- 4,487,829	12/11/1984	Sharp et al.	
		#US- 4,517,686	05/21/1985	Ruoslahti et al.	
		#US- 4,578,079	03/25/1986	Ruoslahti et al.	
		#US- 4,589,881	05/20/1986	Pierschbacher et al.	
		#US- 4,593,002	06/03/1986	Dulbecco	
		#US- 4,792,525	12/20/1988	Ruoslahti et al.	
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		#US- 4,956,281	09/11/1990	Wallner et al.	
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		#US- 5,198,346	03/30/1993	Ladner et al.	
		#US- 5,204,445	04/20/1993	Plow et al.	
		#US- 5,223,394	06/29/1993	Wallner	
		#US- 5,223,409	06/29/1993	Ladner et al.	
		#US- 5,240,846	08/31/1993	Collins et al.	
		#US- 5,246,921	09/21/1993	Reddy et al.	
		#US- 5,332,567	07/26/1994	Goldenberg	
		#US- 5,349,053	09/20/1994	Landolfi	
		#US- 5,403,484	04/04/1995	Ladner et al.	
		#US- 5,436,146	07/25/1995	Shenk et al.	
		#US- 5,443,953	08/22/1995	Hansen et al.	
		#US- 5,474,935	12/12/1995	Chatterjee et al.	
		#US- 5,521,291	05/28/1996	Curiel et al.	
		#US- 5,534,423	07/09/1996	Palsson et al.	
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		#US- 5,559,099	09/24/1996	Wickham et al.	
		#US- 5,571,698	11/05/1996	Ladner et al.	
		#US- 5,622,699	04/22/1997	Ruoslahti et al.	
		#US- 5,712,136	01/27/1998	Wickham et al.	
		#US- 5,731,190	03/24/1998	Wickham et al.	
		#US- 5,756,086	05/26/1998	McClelland et al.	
		#US- 5,770,442	06/23/1998	Wickham et al.	
		#US- 5,922,315	07/13/1999	Roy	
		#US- 6,127,525	10/03/2000	Crystal et al.	
Examiner Signature				Date Considered	

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Application Number	09/444,284
Filing Date	November 19, 1999
First Named Inventor	Vogels et al.
Group Art Unit	1632
Examiner Name	Chen
Attorney Docket Number	2578-4231US

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		#259212	03/09/1988	EP		
		#2078631	03/19/1990	JP		
		#WO 91/00360	01/10/1991	PCT		
		#WO 91/05805	05/02/1991	PCT		
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		#WO 92/02553	02/20/1992	PCT		
		#WO 92/13081	08/06/1992	PCT		
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		#WO 93/06223	04/01/1993	PCT		
		#WO 93/07282	04/15/1993	PCT		
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		#WO 94/08026	04/14/1994	PCT		
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		#WO 95/31187	11/23/1995	PCT		
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First Named Inventor	Vogels et al.
Group Art Unit	1632
Examiner Name	Chen
Attorney Docket Number	2578-4231US

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Serial No.: 09/348,354;

Filed: July 7, 1999

For: CHIMAERIC ADENOVIRUSES, which application is being relied upon for an earlier filing date under 35 U.S.C. § 120.